DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)	PUFF
11 July 79	117	1.12	0.67	99	361
12 July	125	162	072	102	349
16 July	129	153	075	106	356
23 July	125	131	069	105	360
25 July	131	171	069	107	352
2 Aug	—	—	—	—	—
6 Aug	113	132	064	93	360
8 Aug	123	164	071	100	349
14 Aug	127	137	073	106	356
20 Aug	119	138	071	98	335
24 Aug	131	176	076	106	333
30 Aug	117	126	063	98	354
31 Aug	120	157	063	98	354
11 Sept	126	154	069	104	359
13 Sept	124	155	071	101	371
19 Sept	130	178	068	105	373
24 Sept	130	147	074	108	354
25 Sept	128	139	072	107	359
28 Sept	140	208	073	112	354
1 Oct	131	150	099	106	339
10 Oct	129	181	070	104	343
15 Oct	124	125	066	105	351
ΣX	25080	3046	1396	20640	70830
ΣX^2	3 15232	4742	977	213368	2510259
n	20	20	20	20	20
$\bar{X}$	125	152	0698	1032	7.1 354
$S\cdot\bar{X}$	011	0.05	001	01	02
$2S\cdot\bar{X}$	03	010	002	02	04
σ	06	023	004	04	1.0

PM3001061214

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

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PARLIAMENT LIGHTS
KING SIZE PT2X
FILTER HARD PACK

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	21- 14	6.97	11.46	1.21	.68	9.57
2)	33- 4	7.36	10.60	1.31	.66	8.63
3)	36- 14	7.36	11.94	1.35	.69	9.90
4)	61- 10	7.13	11.76	1.33	.68	9.75
5)	78- 19	7.24	11.04	1.11	.69	9.24
6)	90- 5	6.87	10.72	1.11	.61	9.00
7)	91- 9	7.00	9.96	.96	.63	8.37
8)	112- 19	7.07	12.28	1.13	.72	10.43
9)	115- 14	6.72	11.74	1.23	.70	9.81
10)	124- 12	6.80	10.88	1.08	.67	9.13
11)	139- 13	6.80	10.96	.98	.66	9.32
12)	144- 1	7.38	11.78	1.33	.72	9.73
13)	163- 14	6.89	12.46	1.56	.64	10.26
14)	164- 5	7.04	11.02	1.10	.67	9.25
15)	173- 4	7.12	12.14	1.36	.71	10.07
16)	192- 7	6.72	10.16	1.03	.64	8.49
17)	200- 6	7.31	11.94	1.35	.70	9.89
18)	207- 8	6.78	11.28	1.09	.65	9.54
19)	223- 8	6.81	10.52	1.00	.66	8.86
20)	227- 18	6.77	10.68	1.05	.60	9.03

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	7.00700	11.26600	1.18350	.66900	9.41350
CONFI. INTER.	.10251	.32154	.07230	.01521	.25918
STAND. DEV.	.22921	.71898	.16168	.03401	.57955
%C.V.	3.27118	6.38185	13.66100	5.08407	6.15657

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
X	7.0 (.1)	11.3 (.3)	1.2 (.1)	.67 (.02)	9.4 (.3)
S	.2	.7	.2	.03	.6
CV	3.3	6.4	13.7	5.1	6.2

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RS

PM3001061215

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

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PARLIAMENT LIGHTS
KING SIZE PT4X
FILTER SOFT PACK

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	1- 7	7.75	12.30	1.00	.78	10.52
2)	12- 19	8.23	12.76	1.44	.80	10.52
3)	39- 4	7.62	11.68	1.42	.71	9.55
4)	44- 14	8.29	12.20	1.07	.76	10.37
5)	67- 3	8.11	11.36	1.35	.71	9.30
6)	70- 1	8.06	10.50	1.39	.80	8.31
7)	82- 1	7.57	12.08	1.07	.73	10.28
8)	91- 13	7.80	11.36	1.01	.71	9.64
9)	100- 13	7.94	11.96	1.19	.76	10.01
10)	103- 13	7.80	11.92	1.10	.76	10.06
11)	125- 12	7.63	11.34	1.13	.69	9.52
12)	138- 9	7.72	11.74	1.27	.76	9.71
13)	151- 8	7.91	10.72	.99	.63	9.10
14)	168- 9	7.83	11.08	1.18	.69	9.21
15)	177- 4	8.21	11.88	1.50	.69	9.69
16)	178- 1	7.90	11.40	1.18	.65	9.57
17)	198- 18	7.80	11.86	1.10	.67	10.09
18)	201- 16	7.74	11.56	1.17	.67	9.72
19)	223- 6	7.63	12.14	1.21	.76	10.17
20)	234- 16	7.41	11.08	1.52	.67	8.89

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	7.84750	11.64600	1.21450	.72000	9.71150
CONFI. INTER.	.10573	.24770	.07529	.02248	.25444
STAND. DEV.	.23642	.55388	.16835	.05026	.56895
%C.V.	3.01265	4.75597	13.86170	6.98090	5.85855

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
X	7.8 (.1)	11.6 (.2)	1.2 (.1)	.72 (.02)	9.7 (.3)
S	.2	.6	.2	.05	.6
CV	3.0	4.8	13.9	7.0	5.9

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RS

PM3001061216

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)	PUFF
11 July 79	117	112	067	99	361
12 July	125	162	072	102	349
16 July	129	153	075	106	356
23 July	125	131	069	105	360
25 July	131	171	069	107	352
2 Aug	—	—	—	—	—
6 Aug	113	132	064	93	360
8 Aug	123	164	071	100	349
14 Aug	127	137	073	106	356
20 Aug	119	138	071	98	335
24 Aug	131	176	076	106	333
30 Aug	117	126	063	98	354
31 Aug	120	157	063	98	354
11 Sept	126	154	069	104	359
13 Sept	124	155	071	101	371
19 Sept	130	178	068	105	373
24 Sept	130	147	074	108	354
25 Sept	128	139	072	107	359
28 Sept	140	208	073	112	354
1 Oct	131	150	099	106	339
10 Oct	129	181	070	104	343
15 Oct	124	125	066	105	351
ΣX	25080	3046	1396	20640	70830
ΣX^2	3 15232	4742	977	213388	2510259
n	20	20	20	20	20
$\bar{X}$	125	152	0698	1032	7.1 354
$S \cdot \bar{X}$	01	0.05	001	01	02
$2S \cdot \bar{X}$	03	010	002	02	04
S	06	023	004	04	1.0

PM3001061217

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)		PUFF
12 July 79	197	220	119	163		637
16 July	160	164	102	133		655
20 July	197	221	110	164		635
24 July	229	284	117	189		583
26 July	183	147	110	157		657
7 Aug	118	108	066	101		780
7 Aug	201	172	118	172		651
9 Aug	182	141	107	157		737
15 Aug	200	211	113	168		595
20 Aug	232	308	126	189		561
24 Aug	201	196	111	170		614
29 Aug	175	170	105	148		670
30 Aug	227	237	117	192		627
4 Sept	207	260	112	170		640
11 Sept	186	229	105	153		635
12 Sept	214	279	112	175		582
19 Sept	204	240	114	169		634
19 Sept	196	203	108	165		638
25 Sept	205	238	114	170		590
28 Sept	235	318	125	191		618
15 Oct	180	165	105	153		629
ΣX	4011.0	4403	2250	33480		125830
ΣX^2	811975	10204	2539	564880		7950513
n	20	20	20	20		20
$\bar{X}$	201	220	1125	1674	12.6	629
$s \cdot \bar{X}$	04	012	001	03		09
$2s \cdot \bar{X}$	09	023	003	07		17
σ	20	052	006	15		38

PM3001061218

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

RS

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SARATOGA
120 MM SGCM
FILTER MENTHOL

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	11- 20	12.79	19.12	2.05	1.10	15.97
2)	24- 13	12.86	20.66	2.01	1.24	17.41
3)	29- 14	13.49	18.02	1.56	1.06	15.40
4)	36- 13	12.80	18.80	1.75	1.11	15.94
5)	54- 18	12.99	19.08	1.77	1.13	16.18
6)	59- 4	13.25	19.82	2.08	1.16	16.58
7)	75- 15	12.38	18.24	1.91	1.08	15.25
8)	94- 18	12.96	19.86	2.21	1.09	16.56
9)	104- 16	12.29	18.04	1.61	1.05	15.38
10)	115- 4	11.95	17.14	1.65	1.01	14.48
11)	134- 11	12.90	16.90	1.66	1.04	14.20
12)	141- 20	12.48	19.74	2.14	1.14	16.46
13)	161- 5	12.02	18.56	1.93	1.06	15.57
14)	164- 9	12.24	17.38	1.66	1.00	14.72
15)	173- 19	12.56	19.02	1.81	1.05	16.16
16)	192- 17	12.33	19.46	1.89	1.12	16.45
17)	208- 3	12.49	19.72	2.02	1.12	16.58
18)	211- 20	12.05	17.54	1.83	.99	14.72
19)	231- 19	12.97	19.48	1.96	1.09	16.43
20)	236- 2	12.82	20.10	2.65	1.07	16.38

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	12.63100	18.83400	1.90750	1.08550	15.84100
CONFI. INTER.	.18730	.47765	.11383	.02634	.37828
STAND. DEV.	.41881	1.06806	.25454	.05889	.84585
%C.V.	3.31570	5.67094	13.34392	5.42525	5.33962

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
				1.12 .04	15.8 .8
X	12.6 (.2)	18.8 (.5)	1.9 (.1)	1.09 (.03)	15.8 (.4)
S	.4	1.1	.3	.06	.8
CV	3.3	5.7	13.3	5.4	5.3

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PM3001061219

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

RS

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SARATOGA
120 MM SGCX
FILTER

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	14- 19	12.98	18.20	1.39	1.12	15.69
2)	15- 15	12.73	18.68	1.93	1.08	15.67
3)	40- 17	12.70	18.64	1.78	1.10	15.76
4)	43- 14	12.41	18.94	1.76	1.07	16.11
5)	59- 5	13.04	18.48	1.96	1.08	15.44
6)	62- 3	12.70	19.74	2.23	1.13	16.38
7)	79- 20	13.00	18.88	1.66	1.08	16.14
8)	96- 10	13.09	20.88	2.12	1.22	17.54
9)	97- 3	13.22	18.18	1.87	1.11	15.20
10)	98- 9	13.09	18.26	1.87	1.10	15.29
11)	129- 18	11.94	19.08	1.88	1.09	16.11
12)	134- 5	12.50	17.56	1.60	1.05	14.91
13)	166- 11	13.44	18.92	2.04	1.06	15.82
14)	167- 2	13.47	19.54	1.97	1.10	16.47
15)	189- 10	14.27	19.86	2.05	1.17	16.64
16)	192- 3	13.44	20.84	2.11	1.22	17.51
17)	196- 10	13.07	18.06	1.72	1.04	15.30
18)	197- 4	12.74	19.42	2.15	1.05	16.22
19)	220- 10	12.76	18.90	1.61	1.13	16.16
20)	237- 17	13.04	18.10	1.43	1.09	15.58

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	12.98150	18.95800	1.85650	1.10450	15.99700
CONFI. INTER.	.21489	.39484	.10557	.02250	.31037
STAND. DEV.	.48052	.88289	.23607	.05031	.69401
%C.V.	3.70156	4.65707	12.71588	4.55520	4.33839

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
				1.14 .05	16.0 .7
X	13.0 (.2)	19.0 (.4)	1.9 (.1)	1.10 (.02)	16.0 (.3)
S	.5	.9	.2	.05	.7
CV	3.7	4.7	12.7	4.6	4.3

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PM3001061220

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

RS

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VIRGINIA SLIMS
100 MM VS8X
FILTER

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	6- 9	9.04	17.80	2.04	1.01	14.75
2)	15- 3	8.78	16.86	1.88	.95	14.03
3)	41- 10	8.52	16.68	1.81	.95	13.92
4)	48- 1	9.19	18.24	2.47	1.01	14.76
5)	56- 20	8.79	19.60	2.52	1.01	16.07
6)	67- 17	8.60	18.00	2.22	.96	14.82
7)	81- 6	9.05	16.96	1.97	1.00	13.99
8)	92- 8	8.00	17.68	2.01	.98	14.69
9)	100- 18	8.79	18.54	2.18	1.03	15.33
10)	107- 18	9.43	18.16	2.08	1.02	15.06
11)	121- 9	8.40	17.18	2.00	.93	14.25
12)	130- 14	8.46	17.64	1.98	.95	14.71
13)	155- 20	8.40	18.14	2.19	.96	14.99
14)	156- 12	8.49	18.62	2.11	1.01	15.50
15)	187- 11	8.94	17.60	2.14	.94	14.52
16)	188- 11	8.62	19.46	2.52	1.00	15.94
17)	193- 11	8.89	18.18	2.50	.95	14.73
18)	210- 20	9.68	18.52	2.17	1.01	15.34
19)	222- 18	8.48	16.84	1.76	.90	14.18
20)	233- 13	8.81	19.64	2.46	1.00	16.18

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	8.76800	18.01701	2.15050	.97850	14.88800
CONFI. INTER.	.17400	.39776	.10589	.01611	.30169
STAND. DEV.	.38908	.88943	.23679	.03602	.67460
%C.V.	4.43753	4.93661	11.01079	3.68141	4.53114

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
				.99	14.9
				.04	.7
X	8.8 (.2)	18.0 (.4)	2.2 (.1)	.98 (.02)	14.9 (.3)
S	.4	.9	.2	.04	.7
CV	4.4	4.9	11.0	3.7	4.5

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PM3001061221

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

PER CIGARETTE
MARKET SAMPLE BRAND DATA & STATISTICS

RS

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VIRGINIA SLIMS
100 MM VS8M
FILTER MENTHOL

ROW	RUN-PORT	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
1)	2- 17	8.61	19.52	2.55	1.03	15.94
2)	15- 5	8.03	17.02	1.86	.95	14.21
3)	38- 3	8.44	17.42	2.03	.93	14.46
4)	47- 20	8.68	17.22	1.88	.96	14.38
5)	52- 8	9.07	17.54	2.08	.96	14.50
6)	59- 18	7.80	16.86	1.78	.91	14.17
7)	81- 13	8.54	18.72	2.21	1.03	15.48
8)	82- 2	9.10	18.48	2.20	1.01	15.27
9)	99- 10	8.78	17.96	2.07	.98	14.91
10)	104- 14	8.70	16.08	1.50	.92	13.66
11)	135- 12	8.50	17.26	2.01	.93	14.32
12)	138- 11	9.23	17.14	1.90	.97	14.27
13)	151- 10	9.01	16.90	2.08	.91	13.91
14)	152- 10	8.44	16.60	1.86	.90	13.84
15)	172- 3	8.60	16.82	1.87	.91	14.04
16)	191- 3	9.04	18.02	1.94	.99	15.09
17)	197- 16	8.80	17.54	2.13	.91	14.50
18)	204- 5	8.88	18.96	2.41	1.02	15.53
19)	218- 11	8.53	18.18	2.09	.95	15.14
20)	235- 15	8.80	18.60	2.46	.93	15.21

STATISTICS ARRAY:

PUFF-COUNT=PUFFS/CIGT
TPM, WATER, NICOTINE & TAR=MG/CIGT

MEAN	8.67900	17.64200	2.04550	.95500	14.64150
CONFI. INTER.	.15716	.39704	.11008	.01917	.28493
STAND. DEV.	.35143	.88781	.24614	.04286	.63712
%C.V.	4.04922	5.03236	12.03315	4.48779	4.35145

****

ROUNDED STATISTICS:

	PUFF-COUNT	TPM	WATER	NICOTINE	TAR
				.97	14.6
				.04	.6
X	8.7 (.2)	17.6 (.4)	2.0 (.1)	.96 (.02)	14.6 (.3)
S	.4	.9	.2	.04	.6
CV	4.0	5.0	12.0	4.5	4.4

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PM3001061222

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)	PUFF
12 July 79	187	194	1.13	156	567
17 July	186	205	1.05	155	576
20 July	181	214	0.99	150	610
23 July	183	167	1.01	156	620
25 July	178	217	0.97	147	638
6 Aug	177	171	0.99	150	594
9 Aug	141	154	0.73	118	637
15 Aug	177	159	1.03	151	607
20 Aug	190	199	1.11	159	593
23 Aug	188	171	1.09	160	600
24 Aug	185	176	0.78	160	665
29 Aug	178	181	0.99	150	588
30 Aug	166	180	0.97	138	642
10 Sept	118	116	0.74	99	628
11 Sept	175	187	1.00	146	585
13 Sept	168	188	0.95	140	603
18 Sept	172	166	0.94	146	602
24 sept	179	186	1.01	150	618
26 Sept	180	181	0.98	152	637
27 Sept	187	161	1.09	160	592
10 Oct	183	210	0.86	153	614
10 Oct	180	224	1.03	147	617
15 Oct	189	175	1.08	161	603
ΣX	36040	3736	20.27	3027.0	121060
ΣX^2	6502.94	7050	20.62	458907	7335340
n	20	20	20	20	20
$\bar{X}$	180	187	1.013	151.4	605
$S.\bar{X}$	0.1	0.4	0.01	0.1	0.4
$2S.\bar{X}$	0.3	0.9	0.03	0.3	0.9
σ	0.7	0.19	0.07	0.6	2.0

PM3001061223

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)	PUFF
16 July 79	208	311	1.04	167	452
17 July	197	276	1.07	159	430
20 July	194	292	1.00	155	448
23 July	170	187	0.91	142	433
26 July	199	268	1.00	162	423
6 Aug	178	246	0.96	147	434
8 Aug	178	207	0.93	148	441
9 Aug	211	284	1.02	172	413
21 Aug	210	285	1.11	170	450
22 Aug	198	249	1.06	163	435
27 Aug	177	254	0.96	142	434
27 Aug	134	123	0.82	114	477
31 Aug	—	—	—	—	—
4 Sept	173	212	0.94	142	450
7 Sept	185	266	0.94	149	442
12 Sept	190	256	0.93	155	446
19 Sept	196	302	1.00	156	427
19 Sept	204	320	0.98	162	408
24 Sept	193	249	0.98	158	435
27 Sept	190	289	0.98	151	445
10 Oct	201	327	0.96	159	443
17 Oct	202	309	0.95	162	430
ΣX	38540	5359	1972	31210	87190
ΣX^2	745572	14656	1950	488593	3803785
n	20	20	20	20	20
$\bar{X}$	193	268	0986	1561	436
$S.\bar{X}$	03	009	0.01	02	03
$2S.\bar{X}$	06	018	002	04	05
σ	12	040	005	09	12

8.7

PM3001061224

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001

DATE	TPM (wet)	WATER	NICOTINE	TPM (dry)	PUFF
12 July 79	185	201	099	155	413
17 July	196	327	078	156	441
20 July	190	257	098	155	417
24 July	176	241	092	143	420
24 July	195	260	094	160	452
2 Aug	167	135	087	145	426
6 Aug	173	248	086	143	433
8 Aug	157	212	083	128	414
14 Aug	161	158	102	135	454
21 Aug	186	203	103	155	429
24 Aug	179	211	097	148	407
29 Aug	166	222	084	135	437
29 Aug	196	254	098	161	443
11 Sept	193	302	096	153	419
13 Sept	199	276	098	162	421
18 Sept	196	266	095	160	438
20 Sept	192	244	092	158	439
21 Sept	184	276	094	147	445
25 Sept	88	070	033	73	492
28 Sept	184	273	092	148	419
10 Oct	177	255	091	142	437
17 Oct	183	242	090	150	426
ΣX	3668.0	4898	1862	2994.0	8634.0
ΣX^2	675510	12280	1741	449962	3731110
n	20	20	20	20	20
$\bar{X}$	183	245	0931	1497	432
$S_{\bar{X}}$	03	009	001	02	03
$2S_{\bar{X}}$	05	017	003	04	06
σ	12	039	006	10	14

8.6

Source: https://www.industrydocuments.ucsf.edu/docs/zrjk0001